

Sequence Listing.txt  
SEQUENCE LISTING



#17  
RECEIVED  
JUN 16 2003

TECH CENTER 1600/2900

<110> HAGAY, et al.  
<120> SPECIFIC HUMAN ANTIBODIES FOR SELECTIVE CANCER THERAPY  
<130> 10793/50  
<140> 10/029,926  
<141> 12/31/2001  
<150> 60/258,948  
<151> 12/29/2000

<160> 203  
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<210> 1

<211> 10  
<212> PRT  
<213> Homo sapiens  
<400> 1

Ser Ser Tyr Thr Ser Ser Ser Thr Leu Val  
1 5 10

<210> 2  
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<213> Homo sapiens

<400> 2

Ser Ser Tyr Thr Ser Ser Ser Thr Leu Gly  
1 5 10

<210> 3  
<211> 9  
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<213> Homo sapiens

<400> 3

Gln Ser Tyr Asp Ser Asn Leu Arg Val

# Sequence Listing.txt

1

5

<210> 4  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 4

Gln Gln Leu Asn Ser Tyr Pro Thr  
1 5

<210> 5  
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<213> Homo sapiens  
□<400> 5

Asn Ser Arg Asp Ser Ser Gly Phe Gln Leu Val  
1 5 10

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<213> Homo sapiens  
□<400> 6

Gln Gln Ala Asn Ser Phe Pro Ile Thr  
1 5

<210> 7  
<211> 111  
<212> PRT  
<213> Homo sapiens  
□<400> 7

Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr  
1 5 10 15

Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala Ser

Sequence Listing.txt

	20		25		30										
Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln	Ala	Pro	Val	Leu	Val	Ile	Tyr	Gly
		35				40					45				
Lys	Asn	Asn	Arg	Pro	Ser	Gly	Ile	Pro	Asp	Arg	Phe	Ser	Gly	Ser	Ser
	50					55					60				
Ser	Gly	Asn	Thr	Ala	Ser	Leu	Thr	Ile	Thr	Gly	Ala	Gln	Ala	Glu	Asp
65					70					75					80
Glu	Ala	Asp	Tyr	Tyr	Cys	Asn	Ser	Arg	Asp	Ser	Ser	Gly	Asn	His	Val
				85					90					95	
Val	Phe	Gly	Gly	Gly	Thr	Lys	Leu	Thr	Val	Leu	Gly	Ala	Ala	Ala	
		100						105						110	

<210> 8  
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 <212> PRT  
 <213> Homo sapiens  
 <400> 8

Met Arg Ala Pro Val Ile  
 1 5

<210> 9  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens  
 <400> 9

Pro Trp Asp Asp Val Thr Pro Pro  
 1 5

<210> 10  
 <211> 12  
 <212> PRT  
 <213> Homo sapiens  
 <400> 10

Sequence Listing.txt

Gly Phe Pro Arg Ile Thr Pro Pro Ser Ala Glu Ile  
1 5 10

<210> 11  
<211> 5  
<212> PRT  
<213> Homo sapiens

<400> 11

Gly Phe Pro Met Pro  
1 5

<210> 12  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 12

Gly Phe Pro His Ser Ser Ser Val Ser Arg  
1 5 10

<210> 13  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 13

Arg Phe Pro Met Arg His Glu Lys Thr Asn Tyr  
1 5 10

<210> 14  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 14

Sequence Listing.txt

Arg Phe Pro Pro Thr Ala Thr Ile  
1 5

<210> 15  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 15

Thr Gln Arg Arg Asp Leu Gly  
1 5

<210> 16  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 16

Lys Phe Pro Gly Gly Thr Val Arg Gly Leu Lys  
1 5 10

<210> 17  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 17

Gly Phe Pro Val Ile Val Glu Glu Arg Gln Ser Thr  
1 5 10

<210> 18  
<211> 10  
<212> PRT  
<213> Homo sapiens  
<400> 18

Arg Phe Pro Gln Arg Val Asp Asn Arg Val

Sequence Listing.txt

1 5 10

<210> 19  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens

<400> 19

Thr Gly Gln Ser Ile Lys Arg Ser  
 1 5

<210> 20  
 <211> 6  
 <212> PRT  
 <213> Homo sapiens

<400> 20

Leu Thr His Pro Tyr Phe  
 1 5

<210> 21  
 <211> 6  
 <212> PRT  
 <213> Homo sapiens

<400> 21

Leu Arg Pro Pro Gln Ser  
 1 5

<210> 22  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 22

Thr Ser Lys Asn Thr Ser Ser Ser Lys Arg His

# Sequence Listing.txt

1

5

10

<210> 23  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 23

Arg Tyr Tyr Cys Arg Ser Ser Asp Cys Thr Val Ser  
1 5 10

<210> 24  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 24

Phe Arg Arg Met Glu Thr Val Pro Ala Pro  
1 5 10

<210> 25  
<211> 277  
<212> PRT  
<213> Homo sapiens

<400> 25

Met Lys Tyr Leu Leu Pro Thr Ala Ala Ala Gly Leu Leu Leu Leu Ala  
1 5 10 15

Ala Gln Pro Ala Met Ala Glu Val Gln Leu Val Glu Ser Gly Gly Gly  
20 25 30

Val Val Arg Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly  
35 40 45

Phe Thr Phe Asp Asp Tyr Gly Met Ser Trp Val Arg Gln Ala Pro Gly  
50 55 60

Lys Gly Leu Glu Trp Val Ser Gly Ile Asn Trp Asn Gly Gly Ser Thr

## Sequence Listing.txt

65		70		75		80
Gly Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn						
		85		90		95
Ala Lys Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp						
		100		105		110
Thr Ala Val Tyr Tyr Cys Ala Arg Met Arg Ala Pro Val Ile Trp Gly						
		115		120		125
Gln Gly Thr Leu Val Thr Val Ser Arg Gly Gly Gly Gly Ser Gly Gly						
		130		135		140
Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala						
		145		150		155
Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp						
		165		170		175
Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln						
		180		185		190
Ala Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile						
		195		200		205
Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr						
		210		215		220
Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser						
		225		230		235
Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu						
		245		250		255
Thr Val Leu Gly Ala Ala Ala Glu Gln Lys Leu Ile Ser Glu Glu Asp						
		260		265		270
Leu Asn Gly Ala Ala						
		275				

<210> 26  
 <211> 464  
 <212> PRT  
 <213> Homo sapiens



# Sequence Listing.txt

<400> 26

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Met Ala Trp Ala Leu Leu Leu Leu Thr Leu Leu Thr Gln Asp Thr Gly
1          5          10          15
Ser Trp Ala Asp Ile Gln Leu Val Glu Ser Gly Gly Gly Val Val Arg
          20          25          30
Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
          35          40          45
Asp Asp Tyr Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
          50          55          60
Glu Trp Val Ser Gly Ile Asn Trp Asn Gly Gly Ser Thr Gly Tyr Ala
65          70          75          80
Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn
          85          90          95
Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val
          100          105          110
Tyr Tyr Cys Ala Arg Met Arg Ala Pro Val Ile Trp Gly Gln Gly Thr
          115          120          125
Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe Pro
          130          135          140
Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly
145          150          155          160
Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp Asn
          165          170          175
Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu Gln
          180          185          190
Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser Ser
          195          200          205
Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys Pro Ser
          210          215          220
Asn Thr Lys Val Asp Lys Arg Val Glu Pro Lys Ser Cys Asp Lys Thr
225          230          235          240
His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser

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245                      250                      255

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<210> 27
<211> 233
<212> PRT
<213> Homo sapiens
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## Sequence Listing.txt

&lt;400&gt; 27

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Met Ala Trp Ala Leu Leu Leu Leu Thr Leu Leu Thr Gln Asp Thr Gly
1          5          10          15
Ser Trp Ala Asp Ala Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala
20          25          30
Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser
35          40          45
Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu
50          55          60
Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe
65          70          75          80
Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala
85          90          95
Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser
100         105         110
Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
115         120         125
Gln Pro Lys Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu
130         135         140
Glu Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp Phe
145         150         155         160
Tyr Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro Val
165         170         175
Lys Ala Gly Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn Lys
180         185         190
Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser
195         200         205
His Lys Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu
210         215         220
Lys Thr Val Ala Pro Thr Glu Cys Ser
225         230

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# Sequence Listing.txt

<210> 28  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 28

Phe Leu Thr Tyr Asn Ser Tyr Glu Val Pro Thr  
 1 5 10

<210> 29  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 29

Thr Asn Trp Tyr Leu Arg Pro Leu Asn  
 1 5

<210> 30  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 30

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Thr Val Lys Ile Ser Cys Lys Val Ser Gly Tyr Thr Phe Thr Asp Tyr  
 20 25 30

Tyr Met His Trp Val Gln Gln Ala Pro Gly Lys Gly Leu Glu Trp Met  
 35 40 45

Gly Leu Val Asp Pro Glu Asp Gly Glu Thr Ile Tyr Ala Glu Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Thr Ser Thr Asp Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys

Sequence Listing.txt

85

90

95

Ala Thr

<210> 31  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 31

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ile Phe Thr Asp Tyr  
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Glu Leu Gly Trp Met  
35 40 45

Gly Arg Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
65 70 75 80

Thr Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Thr Tyr Tyr Cys  
85 90 95

Ala Arg

<210> 32  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 32

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Val Ser Gly Tyr Thr Leu Thr Glu Leu

Sequence Listing.txt

20

25

30

Ser Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Met  
35 40 45

Gly Gly Phe Asp Pro Glu Asp Gly Glu Thr Ile Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Glu Asp Thr Ser Thr Asp Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Thr

<210> 33

<211> 98

<212> PRT

<213> Homo sapiens

<400> 33

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Arg Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Ser Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Val Val Tyr Tyr Cys  
85 90 95

Ala Arg

# Sequence Listing.txt

<210> 34  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 34

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg

<210> 35  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 35

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe

## Sequence Listing.txt

50

55

60

Gln Gly Trp Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg

&lt;210&gt; 36

&lt;211&gt; 98

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; X

&lt;222&gt; (1)..(98)

&lt;223&gt; Xaa

&lt;400&gt; 36

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Leu Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
 20 25 30

Tyr Met His Trp Val Xaa Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe  
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr  
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg



# Sequence Listing.txt

<210> 37  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 37

Gln	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Pro	Gly	Ala	
1				5					10					15		
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Asn	Tyr	
			20					25					30			
Cys	Met	His	Trp	Val	Arg	Gln	Val	His	Ala	Gln	Gly	Leu	Glu	Trp	Met	
		35					40					45				
Gly	Leu	Val	Cys	Pro	Ser	Asp	Gly	Ser	Thr	Ser	Tyr	Ala	Gln	Lys	Phe	
	50					55					60					
Gln	Ala	Arg	Val	Thr	Ile	Thr	Arg	Asp	Thr	Ser	Met	Ser	Thr	Ala	Tyr	
65					70					75					80	
Met	Glu	Leu	Ser	Ser	Leu	Arg	Ser	Glu	Asp	Thr	Ala	Met	Tyr	Tyr	Cys	
				85					90					95		

Val Arg

<210> 38  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 38

Gln	Met	Gln	Leu	Val	Gln	Ser	Gly	Pro	Glu	Val	Lys	Lys	Pro	Gly	Thr	
1				5					10					15		
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Phe	Thr	Phe	Thr	Ser	Ser	
			20					25					30			
Ala	Val	Gln	Trp	Val	Arg	Gln	Ala	Arg	Gly	Gln	Arg	Leu	Glu	Trp	Ile	
		35					40					45				
Gly	Trp	Ile	Val	Val	Gly	Ser	Gly	Asn	Thr	Asn	Tyr	Ala	Gln	Lys	Phe	
	50					55					60					

Sequence Listing.txt

Gln Glu Arg Val Thr Ile Thr Arg Asp Met Ser Thr Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Ala

<210> 39  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 39

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr  
20 25 30

Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg

<210> 40  
<211> 98  
<212> PRT  
<213> Homo sapiens  
<400> 40

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Sequence Listing.txt
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1          5          10          15
Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
          20          25          30
Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
          35          40          45
Gly Arg Ile Ile Pro Ile Leu Gly Ile Ala Asn Tyr Ala Gln Lys Phe
          50          55          60
Gln Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr
65          70          75          80
Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
          85          90          95

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<210> 41
<211> 98
<212> PRT
<213> Homo sapiens

<400> 41
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# Sequence Listing.txt

Ala Arg

<210> 42  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens  
 □<400> 42

Gln	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Pro	Gly	Ala
1				5					10					15	
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Ser	Tyr
			20					25					30		
Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Gln	Arg	Leu	Glu	Trp	Met
		35					40					45			
Gly	Trp	Ser	Asn	Ala	Gly	Asn	Gly	Asn	Thr	Lys	Tyr	Ser	Gln	Glu	Phe
	50					55					60				
Gln	Gly	Arg	Val	Thr	Ile	Thr	Arg	Asp	Thr	Ser	Ala	Ser	Thr	Ala	Tyr
65					70					75					80
Met	Glu	Leu	Ser	Ser	Leu	Arg	Ser	Glu	Asp	Met	Ala	Val	Tyr	Tyr	Cys
				85					90					95	

Ala Arg

<210> 43  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens  
 <400> 43

Gln	Val	Gln	Leu	Val	Gln	Ser	Gly	Ser	Glu	Leu	Lys	Lys	Pro	Gly	Ala
1				5					10					15	
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Ser	Tyr
			20					25					30		
Ala	Met	Asn	Trp	Val	Arg	Gln	Ala	Pro	Gly	Gln	Gly	Leu	Glu	Trp	Met

## Sequence Listing.txt

35

40

45

Gly Trp Ile Asn Thr Asn Thr Gly Asn Pro Thr Tyr Ala Gln Gly Phe  
 50 55 60

Thr Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val Ser Thr Ala Tyr  
 65 70 75 80

Leu Gln Ile Cys Ser Leu Lys Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg

<210> 44

<211> 98

<212> PRT

<213> Homo sapiens

□<400> 44

Gln Val Gln Leu Val Gln Ser Gly Ser Glu Leu Lys Lys Pro Gly Ala  
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
 20 25 30

Ala Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45

Gly Trp Ile Asn Thr Asn Thr Gly Asn Pro Thr Tyr Ala Gln Gly Phe  
 50 55 60

Thr Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val Ser Thr Ala Tyr  
 65 70 75 80

Leu Gln Ile Ser Ser Leu Lys Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95

Ala Arg

<210> 45

<211> 98

<212> PRT

Sequence Listing.txt

<213> Homo sapiens□

<400> 45

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
20 25 30

Asp Ile Asn Trp Val Arg Gln Ala Thr Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Trp Met Asn Pro Asn Ser Gly Asn Thr Gly Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asn Thr Ser Ile Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg

<210> 46

<211> 98

<212> PRT

<213> Homo sapiens

□<400> 46

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu  
50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr  
65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys

## Sequence Listing.txt

85

90

95

Ala Arg

<210> 47  
 <211> 92  
 <212> PRT  
 <213> Homo sapiens  
 □<400> 47

Gln	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Pro	Gly	Ala
1				5					10					15	
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Ser	Tyr
			20					25					30		
Gly	Ile	Ser	Trp	Val	Arg	Gln	Ala	Pro	Gly	Gln	Gly	Leu	Glu	Trp	Met
		35					40					45			
Gly	Trp	Ile	Ser	Ala	Tyr	Asn	Gly	Asn	Thr	Asn	Tyr	Ala	Gln	Lys	Leu
	50					55					60				
Gln	Gly	Arg	Val	Thr	Met	Thr	Thr	Asp	Thr	Ser	Thr	Ser	Thr	Ala	Tyr
65					70					75					80
Met	Glu	Leu	Arg	Ser	Leu	Arg	Ser	Asp	Asp	Thr	Ala				
				85					90						

<210> 48  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens  
 □<400> 48

Gln	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Pro	Gly	Ala
1				5					10					15	
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Ser	Tyr
			20					25					30		
Tyr	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Gln	Gly	Leu	Glu	Trp	Met
		35					40					45			

Sequence Listing.txt

Gly Ile Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg

<210> 49

<211> 98

<212> PRT

<213> Homo sapiens

□<400> 49

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Asn Ser Tyr  
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
35 40 45

Gly Ile Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe  
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr  
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg

<210> 50

<211> 98

<212> PRT

<213> Homo sapiens



# Sequence Listing.txt

<400> 50

Gln	Met	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Thr	Gly	Ser
1				5					10					15	
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Tyr	Arg
			20					25					30		
Tyr	Leu	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Gln	Ala	Leu	Glu	Trp	Met
		35					40					45			
Gly	Trp	Ile	Thr	Pro	Phe	Asn	Gly	Asn	Thr	Asn	Tyr	Ala	Gln	Lys	Phe
	50					55					60				
Gln	Asp	Arg	Val	Thr	Ile	Thr	Arg	Asp	Arg	Ser	Met	Ser	Thr	Ala	Tyr
65					70					75					80
Met	Glu	Leu	Ser	Ser	Leu	Arg	Ser	Glu	Asp	Thr	Ala	Met	Tyr	Tyr	Cys
				85					90					95	

Ala Arg

<210> 51

<211> 98

<212> PRT

<213> Homo sapiens

<400> 51

Gln	Met	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Thr	Gly	Ser
1				5					10					15	
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Tyr	Arg
			20					25					30		
Tyr	Leu	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Gln	Ala	Leu	Glu	Trp	Met
		35					40					45			
Gly	Trp	Ile	Thr	Pro	Phe	Asn	Gly	Asn	Thr	Asn	Tyr	Ala	Gln	Lys	Phe
	50					55					60				
Gln	Asp	Arg	Val	Thr	Ile	Thr	Arg	Asp	Arg	Ser	Met	Ser	Thr	Ala	Tyr
65					70					75					80
Met	Glu	Leu	Ser	Ser	Leu	Arg	Ser	Glu	Asp	Thr	Ala	Met	Tyr	Tyr	Cys

## Sequence Listing.txt

85

90

95

Ala Arg

<210> 52  
 <211> 96  
 <212> PRT  
 <213> Homo sapiens

<400> 52

Gln	Val	Thr	Leu	Lys	Glu	Ser	Gly	Pro	Val	Leu	Val	Lys	Pro	Thr	Glu
1				5					10					15	
Thr	Leu	Thr	Leu	Thr	Cys	Thr	Val	Ser	Gly	Phe	Ser	Leu	Ser	Asn	Ala
			20					25					30		
Arg	Met	Gly	Val	Ser	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys	Ala	Leu	Glu
		35					40					45			
Trp	Leu	Ala	His	Ile	Phe	Ser	Asn	Asp	Glu	Lys	Ser	Tyr	Ser	Thr	Ser
	50					55					60				
Leu	Lys	Ser	Arg	Leu	Thr	Ile	Ser	Lys	Asp	Thr	Ser	Lys	Ser	Gln	Val
65					70					75					80
Val	Leu	Thr	Met	Thr	Asn	Met	Asp	Pro	Val	Asp	Thr	Ala	Thr	Tyr	Tyr
				85					90					95	

<210> 53  
 <211> 99  
 <212> PRT  
 <213> Homo sapiens□  
 <400> 53

Gln	Ile	Thr	Leu	Lys	Glu	Ser	Gly	Pro	Thr	Leu	Val	Lys	Pro	Thr	Gln
1				5					10					15	
Thr	Leu	Thr	Leu	Thr	Cys	Thr	Phe	Ser	Gly	Phe	Ser	Leu	Ser	Thr	Ser
			20					25					30		
Glu	Trp	Cys	Gly	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys	Ala	Leu	Glu	Trp
		35					40					45			
Leu	Ala	Leu	Ile	Tyr	Trp	Asn	Asp	Asp	Lys	Arg	Tyr	Ser	Pro	Ser	Leu

Sequence Listing.txt

50

55

60

Lys Ser Arg Leu Thr Ile Thr Lys Asp Thr Ser Lys Asn Gln Val Val  
65 70 75 80

Leu Thr Met Thr Asn Met Asp Pro Val Asp Thr Ala Thr Tyr Tyr Cys  
85 90 95

Ala His Arg

<210> 54

<211> 96

<212> PRT

<213> Homo sapiens

<400> 54

Gln Val Thr Leu Arg Glu Ser Gly Pro Ala Leu Val Lys Pro Thr Gln  
1 5 10 15

Thr Leu Thr Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu Ser Thr Ser  
20 25 30

Gly Met Cys Val Ser Trp Ile Arg Gln Pro Pro Gly Lys Ala Leu Glu  
35 40 45

Trp Leu Ala Leu Ile Asp Trp Asp Asp Asp Lys Tyr Tyr Ser Thr Ser  
50 55 60

Leu Lys Thr Arg Leu Thr Ile Ser Lys Asp Thr Ser Lys Asn Gln Val  
65 70 75 80

Val Leu Thr Met Thr Asn Met Asp Pro Val Asp Thr Ala Thr Tyr Tyr  
85 90 95

<210> 55

<211> 96

<212> PRT

<213> Homo sapiens

<400> 55

Gln Val Thr Leu Lys Glu Ser Gly Pro Ala Leu Val Lys Pro Thr Gln  
1 5 10 15

Sequence Listing.txt

Thr Leu Thr Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu Ser Thr Ser  
20 25 30

Gly Met Arg Val Ser Trp Ile Arg Gln Pro Pro Gly Lys Ala Leu Glu  
35 40 45

Trp Leu Ala Arg Ile Asp Trp Asp Asp Asp Lys Phe Tyr Ser Thr Ser  
50 55 60

Leu Lys Thr Arg Leu Thr Ile Ser Lys Asp Thr Ser Lys Asn Gln Val  
65 70 75 80

Val Leu Thr Met Thr Asn Met Asp Pro Val Asp Thr Ala Thr Tyr Tyr  
85 90 95

<210> 56  
<211> 100  
<212> PRT  
<213> Homo sapiens

<400> 56

Gln Ile Thr Leu Lys Glu Ser Gly Pro Thr Leu Val Lys Pro Thr Gln  
1 5 10 15

Thr Leu Thr Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu Ser Thr Ser  
20 25 30

Gly Val Gly Val Gly Trp Ile Arg Gln Pro Pro Gly Lys Ala Leu Glu  
35 40 45

Trp Leu Ala Leu Ile Tyr Trp Asn Asp Asp Lys Arg Tyr Ser Pro Ser  
50 55 60

Leu Lys Ser Arg Leu Thr Ile Thr Lys Asp Thr Ser Lys Asn Gln Val  
65 70 75 80

Val Leu Thr Met Thr Asn Met Asp Pro Val Asp Thr Ala Thr Tyr Tyr  
85 90 95

Cys Ala His Arg  
100

<210> 57

# Sequence Listing.txt

<211> 100  
<212> PRT  
<213> Homo sapiens

<400> 57

Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Gly
1				5					10					15	
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Asp	His
			20					25					30		
Tyr	Met	Asp	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val
		35					40					45			
Gly	Arg	Thr	Arg	Asn	Lys	Ala	Asn	Ser	Tyr	Thr	Thr	Glu	Tyr	Ala	Ala
	50					55					60				
Ser	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asp	Ser	Lys	Asn	Ser
65					70				75					80	
Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Lys	Thr	Glu	Asp	Thr	Ala	Val	Tyr
			85					90						95	
Tyr	Cys	Ala	Arg												
			100												

<210> 58  
<211> 100  
<212> PRT  
<213> Homo sapiens  
□<400> 58

Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Gly
1				5					10					15	
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Asp	His
			20					25					30		
Tyr	Met	Ser	Trp	Val	Arg	Gln	Ala	Gln	Gly	Lys	Gly	Leu	Glu	Leu	Val
		35					40					45			
Gly	Leu	Ile	Arg	Asn	Lys	Ala	Asn	Ser	Tyr	Thr	Thr	Glu	Tyr	Ala	Ala
	50					55					60				
Ser	Val	Lys	Gly	Arg	Leu	Thr	Ile	Ser	Arg	Glu	Asp	Ser	Lys	Asn	Thr

65                      70                      75                      80

Leu Tyr Leu Gln Met Ser Ser Leu Lys Thr Glu Asp Leu Ala Val Tyr  
                      85                      90                      95

Tyr Cys Ala Arg  
                100

```
<210> 59
<211> 100
<212> PRT
<213> Homo sapiens
```

<400> 59

[illegible]

```
<210> 60
<211> 98
<212> PRT
<213> Homo sapiens
<400> 60
```

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg  
1 5 10 15

# Sequence Listing.txt

```

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
  20                      25                      30

Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
  35                      40                      45

Ser Gly Ile Ser Trp Asn Ser Gly Ser Ile Gly Tyr Ala Asp Ser Val
  50                      55                      60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
  65                      70                      75                      80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Leu Tyr Tyr Cys
  85                      90                      95

```

Ala Lys

```

<210> 61
<211> 98
<212> PRT
<213> Homo sapiens

```

<400> 61

```

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Arg Pro Gly Gly
  1                      5                      10                      15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
  20                      25                      30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
  35                      40                      45

Ser Gly Ile Asn Trp Asn Gly Gly Ser Thr Gly Tyr Ala Asp Ser Val
  50                      55                      60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
  65                      70                      75                      80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Leu Tyr His Cys
  85                      90                      95

```

Ala Arg

# Sequence Listing.txt

<210> 62  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 62

Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Val	Val	Val	Gln	Pro	Gly	Gly		
1				5					10					15			
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Asp	Asp	Tyr		
			20					25					30				
Thr	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val		
		35					40					45					
Ser	Leu	Ile	Ser	Trp	Asp	Gly	Gly	Ser	Thr	Tyr	Tyr	Ala	Asp	Ser	Val		
	50					55					60						
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ser	Lys	Asn	Ser	Leu	Tyr		
65					70				75						80		
Leu	Gln	Met	Asn	Ser	Leu	Arg	Thr	Glu	Asp	Thr	Ala	Leu	Tyr	Tyr	Cys		
			85						90					95			

Ala Lys

<210> 63  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 63

Gln	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Lys	Pro	Gly	Gly		
1				5					10					15			
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Asp	Tyr		
			20					25					30				
Tyr	Met	Ser	Trp	Ile	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val		
		35					40					45					



# Sequence Listing.txt

```

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
 50          55          60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65          70          75          80
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
          85          90          95

```

Ala Arg

```

<210> 64
<211> 100
<212> PRT
<213> Homo sapiens

```

<400> 64

```

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
1          5          10          15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
          20          25          30
Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
          35          40          45
Gly Arg Ile Lys Ser Lys Thr Asp Gly Gly Thr Thr Asp Tyr Ala Ala
          50          55          60
Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65          70          75          80
Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr
          85          90          95
Tyr Cys Thr Thr
          100

```

```

<210> 65
<211> 98
<212> PRT

```

Sequence Listing.txt

<213> Homo sapiens

<400> 65

Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Gly	15
1				5				10								
Ser	Leu	Arg	Leu	Ser	Cys	Pro	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Asn	His	30
			20					25								
Tyr	Met	Ser	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val	45
		35					40									
Ser	Tyr	Ile	Ser	Gly	Asp	Ser	Gly	Tyr	Thr	Asn	Tyr	Ala	Asp	Ser	Val	60
		50					55									
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Asn	Asn	Ser	Pro	Tyr	80
					70					75						
Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	95
					85				90							

Val Lys

<210> 66

<211> 98

<212> PRT

<213> Homo sapiens

<400> 66

Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Gly	15
1				5				10								
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Asn	His	30
			20					25								
Tyr	Thr	Ser	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val	45
		35					40									
Ser	Tyr	Ser	Ser	Gly	Asn	Ser	Gly	Tyr	Thr	Asn	Tyr	Ala	Asp	Ser	Val	60
		50					55									
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Asn	Ser	Leu	Tyr	80
					70					75						

# Sequence Listing.txt

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Val Lys

<210> 67  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 67

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15  
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ser  
20 25 30  
Asp Met Asn Trp Val His Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45  
Ser Gly Val Ser Trp Asn Gly Ser Arg Thr His Tyr Ala Asp Ser Val  
50 55 60  
Lys Gly Arg Phe Ile Ile Ser Arg Asp Asn Ser Arg Asn Thr Leu Tyr  
65 70 75 80  
Leu Gln Thr Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Val Arg

<210> 68  
<211> 97  
<212> PRT  
<213> Homo sapiens

<400> 68

Glu Val Gln Leu Val Glu Thr Gly Gly Gly Leu Ile Gln Pro Gly Gly  
1 5 10 15

# Sequence Listing.txt

```

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Val Ser Ser Asn
      20                      25                      30
Tyr Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
      35                      40                      45
Ser Val Ile Tyr Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys
      50                      55                      60
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu
      65                      70                      75                      80
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala
      85                      90                      95

```

Arg

```

<210> 69
<211> 97
<212> PRT
<213> Homo sapiens

```

<400> 69

```

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1                      5                      10                      15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Val Ser Ser Asn
      20                      25                      30
Tyr Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
      35                      40                      45
Ser Val Ile Tyr Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys
      50                      55                      60
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu
      65                      70                      75                      80
Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala
      85                      90                      95

```

Arg

## Sequence Listing.txt

```
<210> 70
<211> 97
<212> PRT
<213> Homo sapiens
```

<400> 70

Glu 1	Val	Gln	Leu	Val 5	His	Ser	Gly	Gly	Gly 10	Leu	Val	Gln	Pro	Gly 15	Gly
Ser	Leu	Arg	Leu 20	Ser	Cys	Ala	Gly	Ser 25	Gly	Phe	Thr	Phe	Ser 30	Ser	Tyr
Ala	Met	His 35	Trp	Val	Arg	Gln	Ala 40	Pro	Gly	Lys	Gly	Leu 45	Glu	Trp	Val
Ser	Ala 50	Ile	Gly	Thr	Gly	Gly 55	Gly	Thr	Tyr	Tyr	Ala 60	Asp	Ser	Val	Lys
Gly 65	Arg	Phe	Thr	Ile	Ser 70	Arg	Asp	Asn	Ala	Lys 75	Asn	Ser	Leu	Tyr	Leu 80
Gln	Met	Asn	Ser	Leu 85	Arg	Ala	Glu	Asp	Met 90	Ala	Val	Tyr	Tyr	Cys 95	Ala

Arg

```
<210> 71
<211> 97
<212> PRT
<213> Homo sapiens
```

<400> 71

Glu Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

# Sequence Listing.txt

```

Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala Asp Ser Val Lys
 50                      55                      60
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr Leu
65                      70                      75                      80
Gln Met Asn Ser Leu Arg Ala Glu Asp Met Ala Val Tyr Tyr Cys Ala
      85                      90                      95

```

Arg

```

<210> 72
<211> 98
<212> PRT
<213> Homo sapiens

```

```

<400> 72

```

```

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1                      5                      10                      15
Ser Leu Arg Leu Ser Cys Ser Ala Ser Gly Phe Thr Phe Ser Ser Tyr
      20                      25                      30
Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Tyr Val
      35                      40                      45
Ser Ala Ile Ser Ser Asn Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
      50                      55                      60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65                      70                      75                      80
Val Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
      85                      90                      95

```

Val Arg

```

<210> 73
<211> 35
<212> PRT

```

# Sequence Listing.txt

<213> Homo sapiens

<400> 73

```

Thr Phe Ser Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys
1          5          10          15
Gly Leu Glu Tyr Val Ser Ala Ile Ser Ser Asn Gly Gly Ser Thr Tyr
          20          25          30
Tyr Ala Asp
          35

```

<210> 74

<211> 98

<212> PRT

<213> Homo sapiens

<400> 74

```

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1          5          10          15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
          20          25          30
Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
          35          40          45
Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
          50          55          60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65          70          75          80
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
          85          90          95
Ala Arg

```

<210> 75

<211> 98

<212> PRT

# Sequence Listing.txt

<213> Homo sapiens

<400> 75

```
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1          5          10          15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20          25          30
Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35          40          45
Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50          55          60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65          70          75          80
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85          90          95
```

Ala Arg

<210> 76

<211> 98

<212> PRT

<213> Homo sapiens

<400> 76

```
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1          5          10          15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20          25          30
Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35          40          45
Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50          55          60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65          70          75          80
```



# Sequence Listing.txt

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg

<210> 77  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 77

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15  
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30  
Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45  
Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val  
50 55 60  
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80  
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Lys

<210> 78  
<211> 97  
<212> PRT  
<213> Homo sapiens

<400> 78

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

# Sequence Listing.txt

```

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
      20                      25                      30
Asp Met His Trp Val Arg Gln Ala Thr Gly Lys Gly Leu Glu Trp Val
      35                      40                      45
Ser Ala Ile Gly Thr Ala Gly Asp Thr Tyr Tyr Pro Gly Ser Val Lys
      50                      55                      60
Gly Arg Phe Thr Ile Ser Arg Glu Asn Ala Lys Asn Ser Leu Tyr Leu
      65                      70                      75                      80
Gln Met Asn Ser Leu Arg Ala Gly Asp Thr Ala Val Tyr Tyr Cys Ala
      85                      90                      95

```

Arg

```

<210> . 79
<211> 98
<212> PRT
<213> Homo sapiens

```

<400> 79

```

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1                      5                      10                      15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
      20                      25                      30
Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
      35                      40                      45
Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
      50                      55                      60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
      65                      70                      75                      80
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
      85                      90                      95

```

Ala Arg

# Sequence Listing.txt

<210> 80  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 80

Gln	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Val	Val	Gln	Pro	Gly	Arg
1				5					10					15	
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Ser	Tyr
			20					25					30		
Gly	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val
		35					40					45			
Ala	Val	Ile	Ser	Tyr	Asp	Gly	Ser	Asn	Lys	Tyr	Tyr	Ala	Asp	Ser	Val
	50					55					60				
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ser	Lys	Asn	Thr	Leu	Tyr
65					70					75					80
Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
			85						90					95	

Ala Lys

<210> 81  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 81

Gln	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Val	Val	Gln	Pro	Gly	Arg
1				5					10					15	
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Ser	Tyr
			20					25					30		
Gly	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val
		35					40					45			

# Sequence Listing.txt

Ala Val Ile Trp Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg

<210> 82  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 82

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Ser Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Tyr Ile Ser Ser Ser Ser Ser Thr Ile Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Asp Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg

<210> 83  
<211> 97  
<212> PRT

# Sequence Listing.txt

<213> Homo sapiens

<400> 83

```

Glu Asp Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1          5          10          15
Ser Leu Arg Pro Ser Cys Ala Ala Ser Gly Phe Ala Phe Ser Ser Tyr
          20          25          30
Val Leu His Trp Val Arg Arg Ala Pro Gly Lys Gly Pro Glu Trp Val
          35          40          45
Ser Ala Ile Gly Thr Gly Gly Asp Thr Tyr Tyr Ala Asp Ser Val Met
          50          55          60
Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Lys Ser Leu Tyr Leu
65          70          75          80
Gln Met Asn Ser Leu Ile Ala Glu Asp Met Ala Val Tyr Tyr Cys Ala
          85          90          95

```

Arg

<210> 84

<211> 98

<212> PRT

<213> Homo sapiens

<400> 84

```

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1          5          10          15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
          20          25          30
Trp Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
          35          40          45
Ser Arg Ile Asn Ser Asp Gly Ser Ser Thr Thr Tyr Ala Asp Ser Val
          50          55          60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65          70          75          80

```

# Sequence Listing.txt

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg

<210> 85  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 85

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ala Asn Ile Lys Gln Asp Gly Ser Glu Lys Tyr Tyr Val Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg

<210> 86  
<211> 97  
<212> PRT  
<213> Homo sapiens

<400> 86

Gln Val Gln Leu Gln Gln Trp Gly Ala Gly Leu Leu Lys Pro Ser Glu  
1 5 10 15

# Sequence Listing.txt

```

Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr
      20                      25                      30
Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile
      35                      40                      45
Gly Glu Ile Ile His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys
      50                      55                      60
Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu
      65                      70                      75                      80
Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala
      85                      90                      95

```

Arg

```

<210> 87
<211> 97
<212> PRT
<213> Homo sapiens

<400> 87

```

```

Gln Val Gln Leu Gln Gln Trp Gly Ala Gly Leu Leu Lys Pro Ser Glu
1                      5                      10                      15
Thr Leu Ser Leu Thr Cys Ala Val Tyr Gly Gly Ser Phe Ser Gly Tyr
      20                      25                      30
Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile
      35                      40                      45
Gly Glu Ile Asn His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys
      50                      55                      60
Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu
      65                      70                      75                      80
Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala
      85                      90                      95

```

Arg

# Sequence Listing.txt

<210> 88  
 <211> 97  
 <212> PRT  
 <213> Homo sapiens

<400> 88

Gln	Val	Gln	Leu	Gln	Gln	Trp	Gly	Ala	Gly	Leu	Leu	Lys	Pro	Ser	Glu
1			5				10							15	
Thr	Leu	Ser	Leu	Thr	Cys	Ala	Val	Tyr	Gly	Gly	Ser	Val	Ser	Gly	Tyr
			20				25						30		
Tyr	Trp	Ser	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Ile
		35				40						45			
Gly	Tyr	Ile	Tyr	Tyr	Ser	Gly	Ser	Thr	Asn	Asn	Asn	Pro	Ser	Leu	Lys
	50					55					60				
Ser	Arg	Ala	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe	Ser	Leu
65					70					75					80
Asn	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Cys	Cys	Ala
				85					90					95	

Arg

<210> 89  
 <211> 99  
 <212> PRT  
 <213> Homo sapiens

<400> 89

Gln	Leu	Gln	Leu	Gln	Glu	Ser	Gly	Ser	Gly	Leu	Val	Lys	Pro	Ser	Gln
1			5				10							15	
Thr	Leu	Ser	Leu	Thr	Cys	Ala	Val	Ser	Gly	Gly	Ser	Ile	Ser	Ser	Gly
			20				25						30		
Gly	Tyr	Ser	Trp	Ser	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu
		35				40						45			



# Sequence Listing.txt

Trp Ile Gly Tyr Ile Tyr His Ser Gly Ser Thr Tyr Tyr Asn Pro Ser  
50 55 60  
Leu Lys Ser Arg Val Thr Ile Ser Val Asp Arg Ser Lys Asn Gln Phe  
65 70 75 80  
Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr  
85 90 95

Cys Ala Arg

<210> 90  
<211> 99  
<212> PRT  
<213> Homo sapiens

<400> 90

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln  
1 5 10 15  
Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Gly  
20 25 30  
Gly Tyr Tyr Trp Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu  
35 40 45  
Trp Ile Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser  
50 55 60  
Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe  
65 70 75 80  
Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr  
85 90 95

Cys Ala Arg

<210> 91  
<211> 99  
<212> PRT

# Sequence Listing.txt

<213> Homo sapiens

<400> 91

Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Glu
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Thr	Val	Ser	Gly	Gly	Ser	Val	Ser	Ser	Gly
			20					25					30		
Ser	Tyr	Tyr	Trp	Ser	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu
		35					40					45			
Trp	Ile	Gly	Tyr	Ile	Tyr	Tyr	Ser	Gly	Ser	Thr	Asn	Tyr	Asn	Pro	Ser
	50					55					60				
Leu	Lys	Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe
65					70					75					80
Ser	Leu	Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr
				85					90					95	

Cys Ala Arg

<210> 92

<211> 98

<212> PRT

<213> Homo sapiens

<400> 92

Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Glu
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Ala	Val	Ser	Gly	Tyr	Ser	Ile	Ser	Ser	Gly
			20					25					30		
Tyr	Tyr	Trp	Gly	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu	Trp
		35					40					45			
Ile	Gly	Ser	Ile	Tyr	His	Ser	Gly	Ser	Thr	Tyr	Tyr	Asn	Pro	Ser	Leu
	50					55					60				
Lys	Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe	Ser
65					70					75					80

# Sequence Listing.txt

Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg

<210> 93  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 93

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu  
1 5 10 15

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Tyr Ser Ile Ser Ser Gly  
20 25 30

Tyr Tyr Trp Gly Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp  
35 40 45

Ile Gly Ser Ile Tyr His Ser Gly Ser Thr Tyr Tyr Asn Pro Ser Leu  
50 55 60

Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser  
65 70 75 80

Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg

<210> 94  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 94

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Asp  
1 5 10 15

# Sequence Listing.txt

```

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Tyr Ser Ile Ser Ser Ser
      20                25                30

Asn Trp Trp Gly Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp
      35                40                45

Ile Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser Leu
      50                55                60

Lys Ser Arg Val Thr Met Ser Val Asp Thr Ser Lys Asn Gln Phe Ser
65                70                75                80

Leu Lys Leu Ser Ser Val Thr Ala Val Asp Thr Ala Val Tyr Tyr Cys
      85                90                95

```

Ala Arg

```

<210> 95
<211> 98
<212> PRT
<213> Homo sapiens

```

<400> 95

```

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1                5                10                15

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Tyr Ser Ile Ser Ser Ser
      20                25                30

Asn Trp Trp Gly Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp
      35                40                45

Ile Gly Tyr Ile Tyr Tyr Ser Gly Ser Ile Tyr Tyr Asn Pro Ser Leu
      50                55                60

Lys Ser Arg Val Thr Met Ser Val Asp Thr Ser Lys Asn Gln Phe Ser
65                70                75                80

Leu Lys Leu Ser Ser Val Thr Ala Val Asp Thr Ala Val Tyr Tyr Cys
      85                90                95

```

Ala Arg

# Sequence Listing.txt

<210> 96  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 96

Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Glu
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Val	Val	Ser	Gly	Gly	Ser	Ile	Ser	Ser	Ser
			20					25					30		
Asn	Trp	Trp	Ser	Trp	Val	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu	Trp
		35					40					45			
Ile	Gly	Glu	Ile	Tyr	His	Ser	Gly	Asn	Pro	Asn	Tyr	Asn	Pro	Ser	Leu
	50					55					60				
Lys	Ser	Arg	Val	Thr	Ile	Ser	Ile	Asp	Lys	Ser	Lys	Asn	Gln	Phe	Ser
65					70					75					80
Leu	Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	
Ala	Arg														

<210> 97  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 97

Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Glu
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Val	Val	Ser	Gly	Gly	Ser	Ile	Ser	Ser	Ser
			20					25					30		
Asn	Trp	Trp	Ser	Trp	Val	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu	Trp
		35					40					45			

# Sequence Listing.txt

Ile Gly Glu Ile Tyr His Ser Gly Ser Pro Asn Tyr Asn Pro Ser Leu  
50 55 60

Lys Ser Arg Val Thr Ile Ser Val Asp Lys Ser Lys Asn Gln Phe Ser  
65 70 75 80

Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Arg

<210> 98  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 98

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Pro Gly  
1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Ser  
20 25 30

Asn Trp Trp Ser Trp Val Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp  
35 40 45

Ile Gly Glu Ile Tyr His Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu  
50 55 60

Lys Ser Arg Val Thr Ile Ser Val Asp Lys Ser Lys Asn Gln Phe Ser  
65 70 75 80

Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Cys Cys  
85 90 95

Ala Arg

<210> 99  
<211> 98  
<212> PRT

# Sequence Listing.txt

<213> Homo sapiens

<400> 99

Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Gly
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Ala	Val	Ser	Gly	Gly	Ser	Ile	Ser	Ser	Ser
			20					25					30		
Asn	Trp	Trp	Ser	Trp	Val	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu	Trp
		35					40					45			
Ile	Gly	Glu	Ile	Tyr	His	Ser	Gly	Ser	Thr	Asn	Tyr	Asn	Pro	Ser	Leu
	50					55					60				
Lys	Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Lys	Ser	Lys	Asn	Gln	Phe	Ser
65					70					75					80
Leu	Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	

Ala Arg

<210> 100

<211> 99

<212> PRT

<213> Homo sapiens

<400> 100

Gln	Leu	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Glu
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Thr	Val	Ser	Gly	Gly	Ser	Ile	Ser	Ser	Ser
			20					25					30		
Ser	Tyr	Tyr	Trp	Gly	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu
		35					40					45			
Trp	Ile	Gly	Ser	Ile	Tyr	Tyr	Ser	Gly	Ser	Thr	Tyr	Tyr	Asn	Pro	Ser
	50					55					60				
Leu	Lys	Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe
65					70					75					80

# Sequence Listing.txt

Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr  
85 90 95

Cys Ala Arg

<210> 101  
<211> 99  
<212> PRT  
<213> Homo sapiens

<400> 101

Gln Leu Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu  
1 5 10 15

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Ser  
20 25 30

Ser Tyr Tyr Trp Gly Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu  
35 40 45

Trp Ile Gly Ser Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser  
50 55 60

Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn His Phe  
65 70 75 80

Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr  
85 90 95

Cys Ala Arg

<210> 102  
<211> 97  
<212> PRT  
<213> Homo sapiens

<400> 102

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu  
1 5 10 15

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Tyr



Sequence Listing.txt

20

25

30

Tyr Trp Ser Trp Ile Arg Gln Pro Ala Gly Lys Gly Leu Glu Trp Ile  
35 40 45

Gly Arg Ile Tyr Thr Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
50 55 60

Ser Arg Val Thr Asn Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu  
65 70 75 80

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

Arg

<210> 103  
<211> 97  
<212> PRT  
<213> Homo sapiens

<400> 103

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu  
1 5 10 15

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Tyr  
20 25 30

Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile  
35 40 45

Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys  
50 55 60

Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu  
65 70 75 80

Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala  
85 90 95

Arg

<210> 104  
<211> 97  
<212> PRT

Sequence Listing.txt

<213> Homo sapiens

<400> 104

Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Glu
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Thr	Val	Ser	Gly	Gly	Ser	Val	Ser	Ser	Tyr
			20					25					30		
Tyr	Trp	Ser	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Ile
		35					40					45			
Gly	Tyr	Ile	Tyr	Tyr	Ser	Gly	Ser	Thr	Asn	Tyr	Asn	Pro	Ser	Leu	Lys
	50					55					60				
Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Met	Gln	Phe	Ser	Leu
65					70					75					80
Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Ala
				85					90					95	

Arg

<210> 105

<211> 97

<212> PRT

<213> Homo sapiens

<400> 105

Gln	Val	Gln	Leu	Gln	Glu	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Asp
1				5					10					15	
Thr	Leu	Ser	Leu	Thr	Cys	Thr	Val	Ser	Gly	Gly	Ser	Ile	Ser	Ser	Tyr
			20					25					30		
Tyr	Trp	Ser	Trp	Ile	Arg	Gln	Pro	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Ile
		35					40					45			
Gly	Tyr	Ile	Tyr	Tyr	Ser	Gly	Ser	Thr	Asn	Tyr	Asn	Pro	Ser	Leu	Lys
	50					55					60				
Ser	Arg	Val	Thr	Ile	Ser	Val	Asp	Thr	Ser	Lys	Asn	Gln	Phe	Ser	Leu
65					70					75					80
Lys	Leu	Ser	Ser	Val	Thr	Ala	Ala	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Ala

Sequence Listing.txt

85

90

95

Arg

<210> 106  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 106

Glu	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Pro	Gly	Glu
1				5					10					15	
Ser	Leu	Lys	Ile	Ser	Cys	Lys	Gly	Ser	Gly	Tyr	Ser	Phe	Thr	Ser	Tyr
			20					25					30		
Trp	Ile	Gly	Trp	Val	Arg	Gln	Met	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Met
		35					40					45			
Gly	Ile	Ile	Tyr	Pro	Gly	Asp	Ser	Asp	Thr	Arg	Tyr	Ser	Pro	Ser	Phe
	50					55					60				
Gln	Gly	Gln	Val	Thr	Ile	Ser	Ala	Asp	Lys	Ser	Ile	Ser	Thr	Ala	Tyr
65					70					75					80
Leu	Gln	Trp	Ser	Ser	Leu	Lys	Ala	Ser	Asp	Thr	Ala	Met	Tyr	Tyr	Cys
				85					90					95	

Ala Arg

<210> 107  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 107

Glu	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Pro	Gly	Glu
1				5					10					15	
Ser	Leu	Lys	Ile	Ser	Cys	Lys	Gly	Ser	Gly	Tyr	Ser	Phe	Thr	Ser	Tyr
			20					25					30		
Trp	Ile	Gly	Trp	Val	Arg	Gln	Met	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Met
		35					40					45			

# Sequence Listing.txt

Gly Ile Ile Tyr Pro Gly Asp Ser Asp Thr Arg Tyr Ser Pro Ser Phe  
50 55 60

Gln Gly Gln Val Thr Ile Ser Ala Asp Lys Pro Ile Ser Thr Ala Tyr  
65 70 75 80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys  
85 90 95

Ala Arg

<210> 108  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 108

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu  
1 5 10 15

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Ser Tyr  
20 25 30

Trp Ile Gly Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Met  
35 40 45

Gly Ile Ile Tyr Pro Gly Asp Ser Asp Thr Arg Tyr Ser Pro Ser Phe  
50 55 60

Gln Gly Gln Val Thr Ile Ser Ala Asp Lys Ser Ile Ser Thr Ala Tyr  
65 70 75 80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys  
85 90 95

Ala Arg

<210> 109  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 109

Sequence Listing.txt

Glu Val Gln Leu Leu Gln Ser Ala Ala Glu Val Lys Arg Pro Gly Glu  
1 5 10 15

Ser Leu Arg Ile Ser Cys Lys Thr Ser Gly Tyr Ser Phe Thr Ser Tyr  
20 25 30

Trp Ile His Trp Val Arg Gln Met Pro Gly Lys Glu Leu Glu Trp Met  
35 40 45

Gly Ser Ile Tyr Pro Gly Asn Ser Asp Thr Arg Tyr Ser Pro Ser Phe  
50 55 60

Gln Gly His Val Thr Ile Ser Ala Asp Ser Ser Ser Ser Thr Ala Tyr  
65 70 75 80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Ala Ala Met Tyr Tyr Cys  
85 90 95

Val Arg

<210> 110

<211> 98

<212> PRT

<213> Homo sapiens

<400> 110

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu  
1 5 10 15

Ser Leu Arg Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Ser Tyr  
20 25 30

Trp Ile Ser Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Met  
35 40 45

Gly Arg Ile Asp Pro Ser Asp Ser Tyr Thr Asn Tyr Ser Pro Ser Phe  
50 55 60

Gln Gly His Val Thr Ile Ser Ala Asp Lys Ser Ile Ser Thr Ala Tyr  
65 70 75 80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys  
85 90 95

Ala Arg

# Sequence Listing.txt

<210> 111  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 111

Glu	Val	Gln	Leu	Val	Gln	Ser	Gly	Ala	Glu	Val	Lys	Lys	Pro	Gly	Glu	1	5	10	15
Ser	Leu	Arg	Ile	Ser	Cys	Lys	Gly	Ser	Gly	Tyr	Ser	Phe	Thr	Ser	Tyr	20	25	30	
Trp	Ile	Ser	Trp	Val	Arg	Gln	Met	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Met	35	40	45	
Gly	Arg	Ile	Asp	Pro	Ser	Asp	Ser	Tyr	Thr	Asn	Tyr	Ser	Pro	Ser	Phe	50	55	60	
Gln	Gly	His	Val	Thr	Ile	Ser	Ala	Asp	Lys	Ser	Ile	Ser	Thr	Ala	Tyr	65	70	75	80
Leu	Gln	Trp	Ser	Ser	Leu	Lys	Ala	Ser	Asp	Thr	Ala	Met	Tyr	Tyr	Cys	85	90	95	

Ala Arg

<210> 112  
 <211> 101  
 <212> PRT  
 <213> Homo sapiens

<400> 112

Gln	Val	Gln	Leu	Gln	Gln	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Gln	1	5	10	15
Thr	Leu	Ser	Leu	Thr	Cys	Ala	Ile	Ser	Gly	Asp	Ser	Val	Ser	Ser	Asn	20	25	30	
Ser	Ala	Ala	Trp	Asn	Trp	Ile	Arg	Gln	Ser	Pro	Ser	Arg	Gly	Leu	Glu	35	40	45	
Trp	Leu	Gly	Arg	Thr	Tyr	Tyr	Arg	Ser	Lys	Trp	Tyr	Asn	Asp	Tyr	Ala	50	55	60	

Sequence Listing.txt

Val Ser Val Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn  
65 70 75 80

Gln Phe Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val  
85 90 95

Tyr Tyr Cys Ala Arg  
100

<210> 113  
<211> 87  
<212> PRT  
<213> Homo sapiens

<400> 113

Arg Lys Leu Gly Ala Ser Val Lys Val Ser Arg Lys Ala Ser Ser Tyr  
1 5 10 15

Thr Phe Thr Ser Tyr Asp Ile His Cys Val Arg Gln Ala Pro Gly Lys  
20 25 30

Gly Leu Lys Gly Trp Met Gly Gly Ile Tyr Ser Gly Asn Gly Lys Thr  
35 40 45

Gly Tyr Ala Gln Lys Phe Gln Arg Val Thr Met Thr Arg Asp Met Ser  
50 55 60

Thr Ser Thr Ala Tyr Met Glu Leu Ser Ser Gln Arg Ser Glu Asp Ile  
65 70 75 80

Asp Val Tyr Tyr Cys Ala Arg  
85

<210> 114  
<211> 5  
<212> PRT  
<213> Homo sapiens

<400> 114

Asp Tyr Gly Met Ser  
1 5

<210> 115  
<211> 17  
<212> PRT  
<213> Homo sapiens

Sequence Listing.txt

<400> 115

Gly Ile Asn Trp Asn Gly Gly Ser Thr Gly Tyr Ala Asp Ser Val Lys  
1 5 10 15

Gly

<210> 116

<211> 11

<212> PRT

<213> Homo sapiens

<400> 116

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Arg  
1 5 10

<210> 117

<211> 11

<212> PRT

<213> Homo sapiens

<400> 117

Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg  
1 5 10

<210> 118

<211> 11

<212> PRT

<213> Homo sapiens

<400> 118

Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn  
1 5 10

<210> 119

<211> 8

<212> PRT

<213> Homo sapiens

<400> 119

Gly Lys Gly Leu Glu Trp Val Ser  
1 5



Sequence Listing.txt

<210> 120  
<211> 6  
<212> PRT  
<213> Homo sapiens

<400> 120

Trp Val Arg Gln Ala Pro  
1 5

<210> 121  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 121

Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp  
1 5 10

<210> 122  
<211> 7  
<212> PRT  
<213> Homo sapiens

<400> 122

Ala Val Tyr Tyr Cys Ala Arg  
1 5

<210> 123  
<211> 20  
<212> PRT  
<213> Homo sapiens

<400> 123

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly  
1 5 10 15

Gly Gly Gly Ser  
20

<210> 124  
<211> 15  
<212> PRT  
<213> Homo sapiens

Sequence Listing.txt

<400> 124

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser  
1 5 10 15

<210> 125

<211> 9

<212> PRT

<213> Homo sapiens

<400> 125

Asn Ser Arg Asp Ser Ser Gly Asn His  
1 5

<210> 126

<211> 8

<212> PRT

<213> Homo sapiens

<400> 126

Ala Ala Trp Asp Asp Ser Leu Val  
1 5

<210> 127

<211> 8

<212> PRT

<213> Homo sapiens

<400> 127

Met Gln Ser Ile Gln Leu Pro Thr  
1 5

<210> 128

<211> 9

<212> PRT

<213> Homo sapiens

<400> 128

Met Gln Ser Ile Gln Leu Pro Ala Thr  
1 5

<210> 129

<211> 10

# Sequence Listing.txt

<212> PRT  
<213> Homo sapiens

<400> 129

Ala Ala Trp Asp Asp Gly Leu Ser Leu Val  
1 5 10

<210> 130  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 130

Ala Ala Trp Asp Asp Ser Leu Ser Gly Val  
1 5 10

<210> 131  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 131

Asn Ser Arg Asp Ser Ser Gly Ser Val Arg Val  
1 5 10

<210> 132  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 132

Leu Leu Tyr Tyr Gly Gly Ala Tyr Val  
1 5

<210> 133  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 133

Asn Ser Arg Asp Ser Ser Gly Val Ser Arg Val  
1 5 10

Sequence Listing.txt

<210> 134  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 134

Ala Ala Trp Asp Asp Ser Leu Pro Tyr Val  
1 5 10

<210> 135  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 135

Ala Ala Trp Asp Asp Ser Leu Cys Pro Glu Phe Val  
1 5 10

<210> 136  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 136

Ala Ala Trp Asp Asp Ser Leu Ala Trp Phe Val  
1 5 10

<210> 137  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 137

Leu Ala Trp Asp Thr Ser Pro Arg Trp Val  
1 5 10

<210> 138  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 138

Thr Ala Trp Asp Asp Ser Leu Ala Val Val

## Sequence Listing.txt

1 5 10

<210> 139  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 139

Asn Ser Arg Asp Ser Ser Gly Asn His Arg Val  
1 5 10

<210> 140  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 140

Gln Gln Tyr Gly Ser Ser Gln Arg Thr  
1 5

<210> 141  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 141

Ala Ala Trp Asp Asp Ser Leu Arg Leu Val  
1 5 10

<210> 142  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 142

Met Gln Gly Thr His Trp Arg Pro Thr  
1 5

<210> 143  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 143

Sequence Listing.txt

Met Gln Gly Lys His Trp Pro Leu Thr  
1 5

<210> 144  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 144

Ala Ala Trp Asp Asp Ser Leu Gly Phe  
1 5

<210> 145  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 145

Met Gln Gly Thr His Arg Arg Ala Thr  
1 5

<210> 146  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 146

Met Gln Ala Leu Gln Thr Pro Leu Thr  
1 5

<210> 147  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 147

Met Arg Gly Thr His Arg Arg Ala Thr  
1 5

<210> 148  
<211> 9  
<212> PRT  
<213> Homo sapiens

Sequence Listing.txt

<400> 148

Met Gln Gly Thr His Trp His Pro Thr  
1 5

<210> 149

<211> 8

<212> PRT

<213> Homo sapiens

<400> 149

Met Gln Ala Leu Gln Ser Pro Thr  
1 5

<210> 150

<211> 10

<212> PRT

<213> Homo sapiens

<400> 150

Ala Ala Trp Asp Asp Ser Leu Ala Phe Val  
1 5 10

<210> 151

<211> 8

<212> PRT

<213> Homo sapiens

<400> 151

Met Gln Ala Leu Gln Thr Pro Thr  
1 5

<210> 152

<211> 8

<212> PRT

<213> Homo sapiens

<400> 152

Gln Gln Ser Tyr Ser Thr Arg Thr  
1 5

<210> 153

<211> 9

Sequence Listing.txt

<212> PRT  
<213> Homo sapiens

<400> 153

Met Gln Gly Thr His Trp Pro Phe Thr  
1 5

<210> 154  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 154

Met Gln Gly Thr His Trp Pro Ala Thr  
1 5

<210> 155  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 155

Ala Ala Trp Asp Asp Ser Leu Arg Ser Val  
1 5 10

<210> 156  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 156

Ala Ala Trp Asp Asp Ser Leu Leu Val  
1 5

<210> 157  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 157

Asp Ser Trp Asp Asn Ser Leu Val Ser Pro Val  
1 5 10



# Sequence Listing.txt

<210> 158  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 158

Met Gln Ala Leu Gln Ser Pro Ala Thr  
 1 5

<210> 159  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<400> 159

Met Gln Ala Leu Gln Thr Pro Val Thr  
 1 5

<210> 160  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 160

Ala Ala Trp Asp Asp Ser Leu Ser Ala Tyr Val  
 1 5 10

<210> 161  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 161

Asn Ser Arg Asp Ser Ser Gly Arg Val Asn Val  
 1 5 10

<210> 162  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens

<400> 162

Met Gln Ala Leu Arg Thr Arg Thr

# Sequence Listing.txt

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1                               5

<210> 163
<211> 11
<212> PRT
<213> Homo sapiens

<400> 163

Ala Ala Trp Asp Asp Ser Leu Phe Tyr Pro Val
1                               5                               10

<210> 164
<211> 9
<212> PRT
<213> Homo sapiens

<400> 164

Met Gln Gly Thr His Trp Pro Val Thr
1                               5

<210> 165
<211> 8
<212> PRT
<213> Homo sapiens

<400> 165

Met Gln Gly Thr His Trp Arg Thr
1                               5

<210> 166
<211> 10
<212> PRT
<213> Homo sapiens

<400> 166

Ala Ala Trp Asp Asp Ser Leu Phe Tyr Val
1                               5                               10

<210> 167
<211> 9
<212> PRT
<213> Homo sapiens

<400> 167

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# Sequence Listing.txt

Met Gln Ser Ile Gln Leu Pro Leu Thr  
1 5

<210> 168  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 168

Ala Ala Trp Asp Asp Ser Leu Leu Gly Ser Val  
1 5 10

<210> 169  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 169

Cys Ser Tyr Ala Gly Ser Ser Tyr Val  
1 5

<210> 170  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 170

Gln Gln Asp Tyr Asn Leu Leu Thr  
1 5

<210> 171  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 171

Val Leu Tyr Met Gly Ser Gly Ser Ala Val  
1 5 10

<210> 172  
<211> 9  
<212> PRT  
<213> Homo sapiens

Sequence Listing.txt

<400> 172

Met Gln Arg Ile Glu Phe Pro Asn Thr  
1 5

<210> 173

<211> 11

<212> PRT

<213> Homo sapiens

<400> 173

Ala Ala Trp Asp Asp Ser Leu Ala Cys Ala Val  
1 5 10

<210> 174

<211> 8

<212> PRT

<213> Homo sapiens

<400> 174

Gln Gln Ala Asn Ser Phe Arg Thr  
1 5

<210> 175

<211> 11

<212> PRT

<213> Homo sapiens

<400> 175

Ala Ala Trp Asp Asp Ser Leu Ser Arg Pro Val  
1 5 10

<210> 176

<211> 10

<212> PRT

<213> Homo sapiens

<400> 176

Ala Ala Trp Asp Asp Ser Leu Tyr Asn Val  
1 5 10

<210> 177

<211> 11

Sequence Listing.txt

<212> PRT  
 <213> Homo sapiens  
 <400> 177  
 Ala Ala Trp Asp Asp Ser Leu Asn Arg Asn Val  
 1 5 10

<210> 178  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens  
 <400> 178

Met Gln Val Leu Gln Thr Arg Thr  
 1 5

<210> 179  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens  
 <400> 179

Met Gln Ala Leu Gln Thr Arg Thr  
 1 5

<210> 180  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens  
 <400> 180

Gln Gln Ser Tyr Ser Thr Arg Met  
 1 5

<210> 181  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens  
 <400> 181

Met Gln Ala Leu Gln Thr Leu Thr  
 1 5

# Sequence Listing.txt

<210> 182  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens

<400> 182

Met Arg Ala Leu Gln Thr Pro Thr  
 1 5

<210> 183  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 183

Ala Ala Trp Asp Asp Ser Leu Pro Gly Tyr Val  
 1 5 10

<210> 184  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<400> 184

Ala Ala Trp Asp Asp Ser Leu Gly Phe Val  
 1 5 10

<210> 185  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<400> 185

Ala Ala Trp Asp Asp Ser Leu Phe Leu Val  
 1 5 10

<210> 186  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens

<400> 186

Met Gln Ser Ile Gln Leu Arg Thr

# Sequence Listing.txt

```

1                               5

<210> 187
<211> 10
<212> PRT
<213> Homo sapiens

<400> 187

Ala Ala Trp Asp Asp Ser Leu Ser Ile Val
1                               5                               10

<210> 188
<211> 8
<212> PRT
<213> Homo sapiens

<400> 188

Met Gln Gly Thr His Trp Pro Thr
1                               5

<210> 189
<211> 8
<212> PRT
<213> Homo sapiens

<400> 189

Met Gln Ala Leu His Thr Arg Thr
1                               5

<210> 190
<211> 9
<212> PRT
<213> Homo sapiens

<400> 190

Asn Ser Arg Asp Ser Ser Gly Ser Val
1                               5

<210> 191
<211> 9
<212> PRT
<213> Homo sapiens

<400> 191

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Sequence Listing.txt

Gln Gln Tyr Gly Ser Ser Pro Tyr Thr  
1 5

<210> 192  
<211> 8  
<212> PRT  
<213> Homo sapiens

<400> 192

Gln Gln Ser Tyr Ser Thr Arg Thr  
1 5

<210> 193  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 193

Gln Gln Ala Asn Ser Phe Ala Ala Thr  
1 5

<210> 194  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 194

Gln Gln Ala Asn Ser Phe Pro Ala Thr  
1 5

<210> 195  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 195

Val Leu Tyr Met Gly Ser Gly Val Tyr Val  
1 5 10

<210> 196  
<211> 11  
<212> PRT  
<213> Homo sapiens



Sequence Listing.txt

<400> 196

Ala Ala Trp Asp Asp Ser Leu Trp Ser Ala Val  
1 5 10

<210> 197

<211> 12

<212> PRT

<213> Homo sapiens

<400> 197

Ala Ala Trp Asp Asp Ser Leu Pro Arg Arg Leu Val  
1 5 10

<210> 198

<211> 11

<212> PRT

<213> Homo sapiens

<400> 198

Ala Ala Trp Asp Asp Ser Leu Pro Ser Gly Val  
1 5 10

<210> 199

<211> 8

<212> PRT

<213> Homo sapiens

<400> 199

Met Gln Ala Leu Gln Thr Leu Thr  
1 5

<210> 200

<211> 10

<212> PRT

<213> Homo sapiens

<400> 200

Ala Ala Trp Asp Asp Gly Leu Leu Arg Val  
1 5 10

<210> 201

<211> 10

# Sequence Listing.txt

<212> PRT  
<213> Homo sapiens

<400> 201

Ala Ala Trp Asp Asp Ser Leu Ala Leu Val  
1 5 10

<210> 202  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 202

Asn Ser Arg Asp Ser Ser Gly Phe Gln Leu Val  
1 5 10

<210> 203  
<211> 277  
<212> PRT  
<213> Homo sapiens

<400> 203

Met Lys Tyr Leu Leu Pro Thr Ala Ala Ala Gly Leu Leu Leu Leu Ala  
1 5 10 15

Ala Gln Pro Ala Met Ala Glu Val Gln Leu Val Glu Ser Gly Gly Gly  
20 25 30

Val Val Arg Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly  
35 40 45

Phe Thr Phe Asp Asp Tyr Gly Met Ser Trp Val Arg Gln Ala Pro Gly  
50 55 60

Lys Gly Leu Glu Trp Val Ser Gly Ile Asn Trp Asn Gly Gly Ser Thr  
65 70 75 80

Gly Tyr Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn  
85 90 95

# Sequence Listing.txt

Ala	Lys	Asn	Ser	Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp		
			100					105					110				
Thr	Ala	Val	Tyr	Tyr	Cys	Ala	Arg	Leu	Thr	His	Pro	Tyr	Phe	Trp	Gly		
		115					120					125					
Gln	Gly	Thr	Leu	Val	Thr	Val	Ser	Arg	Gly	Gly	Gly	Gly	Ser	Gly	Gly		
	130					135					140						
Gly	Gly	Ser	Gly	Gly	Gly	Gly	Ser	Ser	Glu	Leu	Thr	Gln	Asp	Pro	Ala		
145					150					155					160		
Val	Ser	Val	Ala	Leu	Gly	Gln	Thr	Val	Arg	Ile	Thr	Cys	Gln	Gly	Asp		
			165						170					175			
Ser	Leu	Arg	Ser	Tyr	Tyr	Ala	Ser	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln		
			180					185					190				
Ala	Pro	Val	Leu	Val	Ile	Tyr	Gly	Lys	Asn	Asn	Arg	Pro	Ser	Gly	Ile		
		195					200					205					
Pro	Asp	Arg	Phe	Ser	Gly	Ser	Ser	Ser	Gly	Asn	Thr	Ala	Ser	Leu	Thr		
	210					215					220						
Ile	Thr	Gly	Ala	Gln	Ala	Glu	Asp	Glu	Ala	Asp	Tyr	Tyr	Cys	Asn	Ser		
225				230						235					240		
Arg	Asp	Ser	Ser	Gly	Asn	His	Val	Val	Phe	Gly	Gly	Gly	Thr	Lys	Leu		
				245					250					255			
Thr	Val	Leu	Gly	Ala	Ala	Ala	Glu	Gln	Lys	Leu	Ile	Ser	Glu	Glu	Asp		
			260					265					270				
Leu	Asn	Gly	Ala	Ala													
		275															